

REMARKS

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Office Action dated November 28, 2006, has been received and its contents carefully reviewed.

Claims 1-15 are rejected to by the Examiner. Claims 1-15 remain pending in this application.

In the Office Action, claims 1-15 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,037,920 to Mizutome et al. (hereinafter "Mizutome") in view of U.S. Patent No. 6,727,875 to Mikami et al. (hereinafter "Mikami").

The rejection of claims 1-15 is respectfully traversed and reconsideration is requested. Claims 1-9 are allowable over the cited references in that each of these claims recites a combination of elements including, for example, "a gate driving circuit for applying substantially identical scan pulses at least twice to each one of the plurality of gate lines during one frame period of the LCD panel." Claims 10-15 are allowable over the cited references in that each of these claims recites a combination of elements including, for example, "applying substantially identical scan pulses at least twice to each of the plurality of gate lines during one frame period of the LCD panel." None of the cited references including Mizutome and Mikami, singly or in combination, teaches or suggests at least this feature of the claimed invention. does not teach or suggest at least this feature of the claimed invention.

In asserting that this feature is taught by Mikami, the Examiner fails to identify any specific teaching, but rather cites Figs. 3-7, col. 3, line 45 to col. 5 line 25, and col. 8, lines 6-26. This cite is almost a third of the description of the preferred embodiment. The M.P.E.P. requires that "the ground of rejection [be] fully and clearly stated." (M.P.E.P § 707.07(d).) The Examiner has failed to do this. As best understood by the Applicant, Mikami is a passive display devices that varies the pulsewidth of a drive signal based upon the temperature of the liquid crystal device. No where in the Figures or text, it there shown "a gate driving circuit for applying substantially identical scan pulses at least twice to each one of the plurality of gate lines during one frame period of the LCD panel." Such scan pulses are not illustrated any where in Mizutome. If the Examiner disagrees, Applicants respectfully request the Examiner to issue a more specific non-final rejection showing specifically where such claimed feature is taught.



Further, there is no motivation to combine Mizutome and Mikami. Mizutome is directed to a passive liquid crystal display device where pixel regions are defined where the scan and data lines overlap. The pixels are driven by the electric field generated between the scan and data lines. Mikami is an active matrix liquid crystal display device, where a thin film transistor is present in each pixel to drive a pixel electrode with a data signal. A common electrode is also present in each pixel so that an electric field is generated between the two electrodes to drive the liquid crystal. The physical structures and modes of operation of these two types of display are completely different. There is no way to add the TFT into Mikami so that it would operate, as there is no pixel electrode and common electrode present. As a result, one of ordinary skill in the art would not combine these references.

Accordingly, claims 1-15 are allowable over Mizutome and Mikami.

Applicants believe the foregoing remarks place the application in condition for allowance and early, favorable action is respectfully solicited.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. § 1.136, and any additional fees required under 37 C.F.R. § 1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. *A duplicate copy of this sheet is enclosed.*

Respectfully submitted,

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By

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